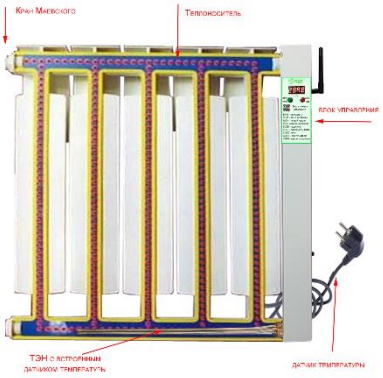
About Radiator.

NHT Tech electric radiators are premium universal heating devices. They work autonomously and are designed for primary and secondary space heating. Thanks to an intelligent control system and design features, NHT Tech heaters are very economical in operation, environmentally friendly and safe. That is why thousands of buyers already use them to heat their houses, apartments, office buildings. You can read more about NHT Tech radiators on the website by clicking on the QR code.



Before you start working with the radiator, watch the video instructions on our YouTube channel.

Safety engineering.

Before connecting the electric radiator to the network, be sure to read this Instruction!
Not allowed:

- misuse of the product
- independent disassembly and refinement of the product, change of scheme
- self-replacement of heat transfer fluid
- connection to a faulty electrical network
- water ingress on the automatic control unit
- long stay of the product in a humid environment
- direct hit on the product of atmospheric precipitation
- contact with aggressive liquids on the product
- storage and operation in a dusty environment
- falling of the product during loading and unloading and transportation.

With the constant operation of the electric radiator, it is necessary to vent the device through the Mayevsky tap at least once a month. De-airing is carried out at room temperature of the electric radiator

Features of NHT Tech Electric Radiators.

Structurally, the electric battery is a radiator, which consists of bimetallic sections: the steel structure can withstand high pressure, and the aluminum layer provides high heat transfer. Liquid heater - a special liquid for heating systems is poured inside the electric radiator - it does not freeze (can withstand up to -20 degrees) and does not corrode the heater and radiator walls, which allows maintaining efficiency for the entire service life. The liquid is not completely filled, inside there is a so-called. "expansion tank" to avoid pressure increase. Also, the battery is equipped with a Mayevsky crane for air release if necessary. A high-quality heating element (TEN) made of stainless steel is mounted inside the radiator. For each radiator, a heating element of different power is used, at the rate of 120 W per section. To the right of the radiator is a display that shows the current room temperature, operating mode and other settings. Under the display there are two control buttons - with the help of them all settings are set and the operation of the device is regulated. Inside, behind the display and buttons, there is a microprocessor control board, which regulates the operation of the entire device. A digital thermal sensor is also installed inside the radiator - it measures the heating temperature of the battery, a thermal fuse and an automatic fuse. There is also an external wired air temperature sensor (located at the end of the power wire), which is removed from the radiator and measures the current temperature in the room.

Preparation for work.

NHT Tech electric radiators operate from a conventional 220 V network. The radiator is mounted on the floor on special stands with rollers or hung on the wall on brackets, connected to the mains and configured. The desired mode and the desired room temperature are set on the control unit. Then you can also set the temperature of the radiator, configure the operation of the device via a WiFi network using the WEB interface. The electric battery operates in the climate control mode, that is, maintaining the set parameters. So, you set the desired air temperature on the control unit and the device starts working: TEN heats the liquid, which in turn heats the radiator sections, through which the air passes and warms up in room. When the electric radiator heats the room to the set temperature, it will turn off and start working as soon as the temperature sensor registers its decrease below the set value.

App installation.

Application for controlling NHT Tech (new heating technologies) Radiators and additional devices. One of the main features of our WEB interface is the ability to work with all our products, so if you already use our Pervachenko Cheese Factory or PERVAK process automation systems, then you have the opportunity to combine everything into one account. You can read more about the NHT Tech app on the website by clicking on the QR code.

WiFi connection.

The NHT Tech battery is designed for electric heating of any residential and non-residential premises. Any battery can be used as an individual heater, or combined into groups, for example: Home, Office, Warehouse, etc. It is possible to use the NHT Tech battery as an individual heater in the "Online" mode, while you can set the time, change the heating temperature of the heating element and also the desired temperature in the room. To create a group of batteries, you must ensure that EACH of the batteries is connected to the Internet via a WiFi wireless network. You can read more about the NHT Tech app on the website by clicking on the QR code.

Radiator control.

1 Press the minus button for 1 second to turn on/off the radiator. 2 The screen will display the time and current room temperature. 3 In order to set the temperature in the room, use the plus and minus buttons. The selected temperature will be stored in the device's memory. If the dots behind the temperature value flash at 23:C, it means that heating is in progress, if the dots are constantly lit, the radiator is in standby mode. 4 The buttons are locked automatically after 5 minutes. To unlock, press and hold any button for 5 seconds.

5 To enter the menu, hold the button plus 1 second. 6 Use the plus and minus buttons to navigate through the menu. 7 Menu sections:

7.1 Menu Brightness.

7.2 Menu for setting the temperature of the radiator.

7.3 Night mode menu

7.4 Basic mode menu

7.5 Scenario menu

7.6 Menu heating element powe

7.7 Clock setting menu

7.8 Device code menu

7.9 Firmware version menu.

Menu brightness:

To enter the menu, hold the button plus 1 second. Briefly press the plus button to select the desired submenu. To enter the submenu, hold the button plus 1 second. To change the brightness, use the plus and minus buttons in the range from "0" to "7" To exit, hold the button minus 1 second. To exit the settings menu, hold the button minus 1 second.

Heatsink temperature setting menu:

To enter the menu, hold the button plus 1 second. Briefly press the plus button to select the desired submenu. To enter the submenu, hold the button plus 1 second. To change the temperature of the radiator, use the plus and minus buttons in the range from "0C" to "70C" To exit, hold the button minus 1 second. To exit the settings menu, hold the button minus 1 second.

Setup Menu Night Mode Menu:
To enter the menu, hold the button plus 1 second. Briefly press the plus button to select the desired submenu. To enter the submenu, hold the button plus 1 second. We see the SET menu, to enter the menu, hold the button plus 1 second. Use the plus and minus buttons to select "ON" - enable night mode, or "OFF" - turn off night mode. To exit, hold the button minus 1 second. We see the SET menu, use the plus and minus buttons to select "cLOn" - the time the night mode is turned on or "cLOF" - the time the night mode is turned off. To enter the submenu, hold the button plus 1 second. Use the plus and minus buttons to select the hour value, to go to the minutes value, hold the plus button for 1 second. Use the plus and minus buttons to select the minutes value. To exit the submenu, hold down the button minus 1 second. To exit the menu, hold down the button minus 1 second.

Radiator mode setting menu:
To enter the menu, hold the button plus 1 second. Briefly press the plus button to select the desired submenu. To enter the submenu, hold the button plus 1 second. We select one of the four modes of operation of the radiator, using the plus and minus buttons. "HOT" - fast heating (radiator 65C, air 26C), "inAN" - manual mode, "ECO" - Economy (radiator 55C, air 16C), "COni" - Comfort (radiator 60C, air 22C) To select a mode, hold the button plus 1 second. To exit the submenu, hold down the button minus 1 second. To exit the menu, hold down the button minus 1 second.
ATTENTION! You can change the temperature of the radiator and the air only in the Manual "inAN" mode, in other modes the temperatures are set programmatically and do not change!

Radiator operation scenario setup menu:
Suppose we have set the main operating mode "ECO" - Economy (radiator 55C, air 16C), but at night we want to set the temperature of the mode "COni" - Comfort (radiator 60C, air 22C) This is the mode we want to set in the bedroom during sleep, at the same time, when we do not use the bedroom, we want to maximize the savings effect. To enter the menu, hold the button plus 1 second. Briefly press the plus button to select the desired submenu. To enter the submenu, hold the button plus 1 second. In the SET menu, select turn on the script - ON or disable - OF To exit the submenu, hold down the button minus 1 second. In the rEJS menu, select the mode that will be executed at the specified time. To select, hold the button plus 1 second. To exit the submenu, hold down the button minus 1 second. With a short press on the plus button, select the submenu SCOn - the start time of the script execution. To enter the submenu, hold the button plus 1 second. Use the plus and minus buttons to select the hour value, to go to the minutes value, hold the plus button for 1 second. Use the plus and minus buttons to select the minutes value. To exit the submenu, hold down the button minus 1 second. Go to the submenu SCOF - the end time of the script execution. Use the plus and minus buttons to select the hour value, to go to the minutes value, hold the plus button for 1 second. Use the plus and minus buttons to select the minutes value. To exit the submenu, hold the button minus 1 second Now the script will enable and disable the selected mode at the specified time. To exit the submenu, hold down the button minus 1 second. To exit the menu, hold down the button minus 1 second.

Heating element power menu:
For the correct operation of the electricity meter and the cost meter, it is necessary to set the actual power of the heating element in each radiator. To enter the menu, hold the button plus 1 second. Briefly press the plus button to select the desired submenu. To enter the submenu, hold the button plus 1 second. Use the plus and minus buttons to select the desired heating element power value. On your radiator, it is listed on a label on the back of the control box. To exit the submenu, hold down the button minus 1 second. To exit the menu, hold down the button minus 1 second.

Menu for setting the main clock of the radiator:
To enter the menu, hold the button plus 1 second. Briefly press the plus button to select the desired submenu. To enter the submenu, hold the button plus 1 second. Use the plus and minus buttons to select the hour value, to go to the minutes value, hold the plus button for 1 second. Use the plus and minus buttons to select the minutes value. To exit the submenu, hold the button minus 1 second To exit the menu, hold down the button minus 1 second.

Device code menu:

Each electric radiator has its own unique devise id code, which is also necessary to add a radiator to the application when forming a group of radiators. To enter the menu, hold the button plus 1 second. Briefly press the plus button to select the desired submenu. To enter the submenu, hold the button plus 1 second. The code of the device will be displayed in the running line. To re-demonstrate the ticker, hold the button plus 1 second. To exit the submenu, hold the button minus 1 second To exit the menu, hold down the button minus 1 second.

Firmware version menu:

Using this menu, you can find out the firmware version of your radiator. To enter the menu, hold the button plus 1 second. Briefly press the plus button to select the desired submenu. To enter the submenu, hold the button plus 1 second. The firmware version will be displayed on the screen, for example 2_5. To exit the submenu, hold the button minus 1 second To exit the menu, hold down the button minus 1 second.